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Aart J. C. Bik, Peter J. H. Brinkhaus, Peter M. W. Knijnenburg  
June 1998   ACM Transactions on Mathematical Software (T

Full text available: pdf(391.88 KB)

Additional Information: full c

Primitives in mathematical software are usually written and  
&ldquo;sparse compiler&rdquo; that is capable of automati  
a completely different approach to the generation of sparse  
particular primitive is supplied to the sparse compiler, after  
...

Keywords: compilers, data structure transformations, restr

## 2 Expressional loops

Richard C. Waters

January 1984 Proceedings of the 11th ACM SIGACT-SIGPLAN

Full text available:  pdf(1.03 MB)

Additional Information: full citation

This paper proposes an expressional loop notation (XLoop) practical to express loops as compositions of functions. The metaphor of expressions and decomposability to bear on the way it makes algorithms much easier to construct, understand, and use loops by introducing a new ...

## 3 Level II technical support in a distributed computing environment

Tim Leehane

September 1996 Proceedings of the 24th annual ACM SIGUCCS

Full text available:  pdf(5.73 MB)

Additional Information: full citation, references

## 4 The state of the art in distributed query processing

Donald Kossmann

December 2000

ACM Computing Surveys (CSUR), Volume 34, Number 4

Full text available:  pdf(455.39 KB)

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Distributed data processing is becoming a reality. Business organizations in order to stay competitive. While much of the infrastructure (modern network technology), a number of issues make distributed systems can become very large, involving thousands of server machines; (2) the state of the art ...

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## 5 Composable ad hoc location-based services for hetero

Todd D. Hodes, Randy H. Katz

October 1999

Wireless Networks, Volume 5 Issue 5

Full text available:  pdf(403.18 KB)

Additional Information: full citation, refere

## 6 ObjectGlobe: Ubiquitous query processing on the Interr

R. Braumandl, M. Keidl, A. Kemper, D. Kossmann, A. Kreutz,

August 2001 The VLDB Journal &mdash; The International Jo

Full text available:  pdf(251.44 KB)

Additional Inform


We present the design of ObjectGlobe, a distributed and op  
published on the Internet via Web servers which have, if al  
the ObjectGlobe project is to establish an open marketplac  
distributed and used by any kind of Internet application. Fu  
machi ...

Keywords: Cycle-, function- and data provider, Distributed  
Query optimization, Security

## 7 BASIC

Thomas E. Kurtz

January 1978 The first ACM SIGPLAN conference on History of I

Full text available:  pdf(1.61 MB)

Additional Information: full

Dartmouth College is a small university dating from 1769,  
Youth of the Indian Tribes in this Land in reading, writing a  
others.&rdquo; (Wheelock 1769.) The undergraduate stud  
students by more than 5 to 1, and majors predominantly in  
In 1940 a milestone ...

**8 I/O reference behavior of production database workload at the logical level**

Windsor W. Hsu, Alan Jay Smith, Honesty C. Young

March 2001

ACM Transactions on Database Systems (TOIS)

Full text available:  pdf(5.42 MB)

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Keywords: I/O, TPC benchmarks, caching, locality, prefetching, sequentiality, workload characterization

**9 A decade of reconfigurable computing: a visionary retrospective**  
R. Hartenstein

March 2001 Proceedings of the conference on Design, automation, and test in Europe

Full text available:  pdf(768.00 KB)

Additional Information: full citation, references

**10 Modeling of data-processing software for generating architectures**  
N. Mano

April 1988

Proceedings of the 10th international conference on Very Large Scale Integration

Full text available:  pdf(858.92 KB)

Additional Information: full

We propose a new modeling scheme named S-model (which is based on a uniform object-relationship formalism). S-model defines the syntax and covers wide range of information of file-process algorithms and problem-solving capability of S-model systems.

## 11 Standardization in IT: Inter-organizational document ex

Luis Martín Díaz, Erik Wüstner, Peter Buxmann

March 2002

Proceedings of the 2002 ACM symposium on

Full text available:  pdf(470.62 KB)

Additional Information: f

Information exchange processes are often characterized by order to achieve compatibility between information system between applications of different software vendors or wher software. In this paper we want to survey the conversion p participants often use different da ...

Keywords: Java, XML, conversion problem, information sys standardization, supply chain management

## 12 MIL primitives for querying a fragmented world

Peter A. Boncz, Martin L. Kersten

October 1999

The VLDB Journal &mdash; The International Jo

Full text available:  pdf(261.36 KB)


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In query-intensive database application areas, like decisior fragmentation have a significant performance advantage. I on top of such a fragmented data model, a flexible yet pow been successfully tackled in Monet, a modern extensible dæ design choices made in the Monet interprete ...

Keywords: Database systems, Main-memory techniques, Q

### 13 Reverse engineering: a roadmap

Hausi A. Müller, Jens H. Jahnke, Dennis B. Smith, Margaret-,  
May 2000 Proceedings of the conference on The future of

Full text available:  pdf(1.53 MB)

Additional Information: full

Keywords: data reverse engineering, program comprehens  
analysis, software engineering, software evolution, softwar  
software tools, tool adoption, tool evaluation

### 14 The ILLIAC IV FORTRAN compiler

Robert E. Millstein, Charles A. Muntz  
January 1975 ACM SIGPLAN Notices , Proceedings of the confer  
and vector machines, Volume 10 Issue 3

Full text available:  pdf(698.44 KB)

Additional Information: full c

This paper provides a basic description of a FORTRAN syste  
system&rdquo; means exactly what one would expect &mc  
major surprises when he uses ILLIAC FORTRAN. The langu  
FORTRAN. The processors are the same &mdash; a compil  
source text, a link editor which collects and joins separat ..

## 15 Content integration for e-business

Michael Stonebraker, Joseph M. Hellerstein

May 2001 ACM SIGMOD Record , Proceedings of the 2001 ACM  
Volume 30 Issue 2

Full text available:  pdf(75.79 KB)

Additional Information: full cit

We define the problem of content integration for e-business in fundamental ways from traditional issues surrounding data warehousing and OLTP. Content integration is not just about but encompasses a broader set of applications and services for content integration and required services for e-business architectural alternatives and discuss ...

## 16 Coarse grain reconfigurable architecture (embedded tu

Reiner Hartenstein

January 2001 Proceedings of the 2001 conference on Asia S

Full text available:  pdf(167.05 KB)

Additional Information: full cit

The paper gives a brief survey over a decade of R&D on coarse grain techniques and points out its significance to the emerging (

## 17 Legacy information systems and business process cha

Ashley D. Lloyd, Dick Dewar, Rob Pooley

December 1999 Communications of the AIS

Full text available:  pdf(572.94 KB)

Additional Information: full citatio

## 18 The impact of object technology on commercial transac

Edward E. Cobb

August 1997 The VLDB Journal &mdash; The International Jou

Full text available:  pdf(649.17 KB)

Additional Inform:

Businesses today are searching for information solutions th  
minimize risk, these solutions must build on existing invest  
problem, and be manageable. Object technology, with its p  
development, delivers these characteristics but, to date, its  
limited. One possible reason is the ...

Keywords: Objects, Workflow, transaction processing

## 19 Information systems: MinSQL: a simple componentized

Garret Swart

June 2003 Proceedings of the 2nd international conference or

Full text available:  pdf(96.27 KB)

Additional Information: fu

MinSQL is a Java relational database that has been optimis  
classroom. It builds on basic Java technology and design p  
of Java technology and patterns and also to allow students  
MinSQL design is embodied in a set of Java interfaces that  
wide variety of implementations. Th ...

Keywords: classroom software, componentized software

## 20 E-commerce: SweetDeal: representing agent contracts process descriptions

Benjamin N. Grosz, Terrence C. Poon

May 2003

Proceedings of the twelfth international conference

Full text available:  pdf(481.94 KB)

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SweetDeal is a rule-based approach to representation of business processes. It evaluates, negotiates, and executes contracts with substantial knowledge representation in RuleML. Here, we newly extend the SweetDeal approach by also including services that are represented in DAML+OIL (emerging standard ...)

**Keywords:** DAML+OIL, OWL, RDF, XML, business process modeling, e-commerce, electronic contracts, intelligent software agents, programs, ontologies, process descriptions, process knowledge, services

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June 1997 ACM SIGMOD Record , Proceedings of the 1997 ACM  
Volume 26 Issue 2

Full text available:  pdf(1.54 MB)

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Traditionally, database systems have been evaluated in is Wisconsin, TPC-C, TPC-D). We argue that very often such DBMSs in the “real world.” End users typically use a comprehensive application system, in which the data to derive performance evalu ...

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Full text available:  pdf(5.73 MB)

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## 5 Improved subject access, browsing and scanning mech

Peter Ingwersen, Irene Wormell

September 1986 Proceedings of the 9th annual international AC  
information retrieval

Full text available:  pdf(889.05 KB)

Additional Informatic

Focusing on communication, the paper analyses and propo  
particular concerned with ill defined and &ldquo;muddled&  
searching and text representation. The need for developme  
devices, based on existing methods to support searchers is  
indexing methods fitting the poten ...

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Todd D. Hodes, Randy H. Katz

October 1999

Wireless Networks, Volume 5 Issue 5

Full text available:  pdf(403.18 KB)


Additional Information: full citation, refere

## 7 Inter-active graphic methods for automating mechanical

Jacob M. Miller

June 1980

Proceedings of the seventeenth design automatic

Full text available:  pdf(1.09 MB)

Additional Information: full

Automating of mechanical engineering design, drafting, str  
EOSC with interactive graphic time share terminals. It was  
tasks and to stay competitive in the industry, these tasks h  
intensive manual design and drafting methods, and structu  
and vendor surveys were conducte ...

- 8 Windows NT software design and implementation for a  
Marko Hännikäinen, Timo Vanhatupa, Jussi Lemiläinen, Timo  
August 1999 Proceedings of the 2nd ACM international workshop

Full text available:  pdf(1.20 MB)

Additional Information: full citation,

Keywords: Windows NT, demonstrator platform, wireless LAN

- 9 The state of the art in distributed query processing

Donald Kossmann

December 2000

ACM Computing Surveys (CSUR), Vol. 34, No. 4

Full text available:  pdf(455.39 KB)

Additional Information: full citation,

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Full text available:  pdf(470.62 KB)

Additional Information: full

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Keywords: Java, XML, conversion problem, information system standardization, supply chain management

## 12 Supervisory and Monitor Systems

Robert F. Rosin

January 1969 ACM Computing Surveys (CSUR), Volume 1 Iss

Full text available:  pdf(1.33 MB) Additional Information: full citation, references, ci

## 13 Data base processor mage

G. Berger Sabbatel

March 1980 Proceedings of the fifth workshop on Computer

Full text available:  pdf(641.92 KB) Additional Information: fi

In this paper, we present the design of data base processor method. It is composed of two microprocessors, a disk processor design decisions, and architecture are discussed. We start method is then summarized. Finally, we present the design on the disk processor.

## 14 The ILLIAC IV FORTRAN compiler

Robert E. Millstein, Charles A. Muntz

January 1975 ACM SIGPLAN Notices , Proceedings of the conference and vector machines, Volume 10 Issue 3

Full text available:  pdf(698.44 KB) Additional Information: full c

This paper provides a basic description of a FORTRAN system system&rdquo; means exactly what one would expect &mc major surprises when he uses ILLIAC FORTRAN. The language FORTRAN. The processors are the same &mdash; a compiler source text, a link editor which collects and joins separat ..

## 15 A decade of reconfigurable computing: a visionary retros

R. Hartenstein

March 2001 Proceedings of the conference on Design, automation

Full text available:  pdf(768.00 KB) Additional Information: full citation, referen

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## 17 Risks to the public in computers and related systems

Peter G. Neumann

January 2002

ACM SIGSOFT Software Engineering Notes, Volu

Full text available:  pdf(1.41 MB)

Additional Information: full citat

## 18 On the measured behaviour of a X.25 packet switching

Alberto Faro, Gaetano Messina, Franco Martinucci

August 1983

Proceedings of the 1983 ACM SIGMETRICS confer

Full text available:  pdf(566.95 KB)

Additional Information: f


The aim of this paper is to present some measurements on of a typical X.25 DTE-DCE interface. The communication p flow control, the length and contents of the packets and th X.25 subnetwork are compared with others obtained throu subnetwork. Some considerations are presente ...

## 19 Invited papers&mdash;3: Observations on time-shared

L. R. Lavine, J. I. Schwartz

August 1965

Proceedings of the 1965 20th national (

Full text available:  pdf(1.51 MB)

Additional Information: full

The purposes and achievements of the early time-sharing s potentials of these kinds of systems in the future. However associated merits and problems are worth describing. The | phenomena observed after several years interest in the fiel interested in the concept, understand ...

## 20 Middleware for software leasing over the Internet

H.-A. Jacobsen, O. Günther

November 1999 Proceedings of the 1st ACM conference on Elect

Full text available:  pdf(270.10 KB) Additional Information: full citation, referen

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Maya Daneva

May 1999

Proceedings of the 1999 symposium on Software Engineering

Full text available: pdf(1.14 MB)

Additional Information: full citation

Keywords: component-based engineering, quantification and reuse of software products

## 2 The state of the art in distributed query processing

Donald Kossmann

December 2000

ACM Computing Surveys (CSUR), V

Full text available:  pdf(455.39 KB)

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Keywords: caching, client-server databases, database applications, economic models for query processing, middleware, multi-tier replication, wrappers

## 3 The IBM token-ring&mdash;a functional perspective

Michael Willett

November 1999 Proceedings of 1986 fall joint computer conference


Full text available:  pdf(812.09 KB)

Additional Information: full citation

## 4 Contents of the Computer Communication Review 1970

David Oran

January 1995 ACM SIGCOMM Computer Communication Review

Full text available:  pdf(1.75 MB)

Additional Information: full citation,

## 5 Risks to the public in computers and related systems

Peter G. Neumann

January 2002 ACM SIGSOFT Software Engineering Notes, Volume

Full text available:  pdf(1.41 MB)

Additional Information: full citation

## 6 Design rule checking and analysis of IC mask designs

B. W. Lindsay, B. T. Preas

June 1976 The proceedings of the thirteenth design automat

Full text available:  pdf(619.91 KB)


Additional Information: full cite

An efficient method of producing logical combinations of in  
generalized design rule checking program. The union (OR),  
topological classification and simple geometric operations,  
(LOGMASC) commands, allowing the designer to construct  
checks. These range from simple tolerance c ...

## 7 Software engineering-as it is

Barry W. Boehm

September 1979 Proceedings of the 4th international confe

Full text available:  pdf(1.01 MB)


Additional Information: full citat

This paper presents a view of software engineering as it is  
with respect to lessons learned in the past few years, and c  
half of the time. The paper discusses some of the factors w  
change, education shortfalls, technology transfer inhibition  
models, and a restr ...

## 8 NSF workshop on industrial/academic cooperation in d

Mike Carey, Len Seligman

March 1999 ACM SIGMOD Record, Volume 28 Issue 1

Full text available:  pdf(1.96 MB)

Additional Information: full citation, ir

## 9 The automatic generation of sparse primitives

Aart J. C. Bik, Peter J. H. Brinkhaus, Peter M. W. Knijnenburg  
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particular primitive is supplied to the sparse compiler, after  
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## 10 Design and management of data warehouses report or

Stella Gatziau, Manfred Jeusfeld, Martin Staudt, Yannis Vassili  
December 1999      ACM SIGMOD Record, Volume 28 Issu

Full text available:  pdf(37.25 KB)

Additional Information: full citz

## 11 An architecture for secure wide-area service discovery

Todd D. Hodes, Steven E. Czerwinski, Ben Y. Zhao, Anthony  
March 2002      Wireless Networks, Volume 8 Issue

Full text available:  pdf(365.68 KB)


Additional Information: fi

The widespread deployment of inexpensive communication  
infrastructure, and network-enabled end devices poses an  
network service or device out of hundreds of thousands of  
architecture and implementation of a secure wide-area Ser  
to advertise descriptions of available ...

Keywords: location services, name lookup, network protoco

## 12 Section 04: reflecting on practice: Innovation in extremi and information management

Victoria Bellotti, Nicolas Ducheneaut, Mark Howard, Ian Smit  
June 2002 Proceedings of the conference on Designing interac

Full text available:  pdf(1.44 MB)

Additional Information: full cita


We describe our experience of trying to develop a novel ap coordination-based and personal) from stand-alone resourc two models for accomplishing this goal; these were to emb in the client. Our exploration of the first model was intensi our design process. We adopted Extre ...

Keywords: Extreme Programming, Personal Information M

## 13 A model, analysis, and protocol framework for soft state

Suchitra Raman, Steven McCanne

August 1999 ACM SIGCOMM Computer Communication Review technologies, architectures, and protocols for com

Full text available:  pdf(1.37 MB)

Additional Information: full cita

"Soft state" is an often cited yet vague concept in network intercommunicate in a loosely coupled, often anonymous f( at all) rather than analytically: a source of *soft state* transr communication channel to one or more receivers that mair periodic updates cease. Though a nu ...

## 14 A decade of reconfigurable computing: a visionary retrc

R. Hartenstein

March 2001 Proceedings of the conference on Design, automat

Full text available:  pdf(768.00 KB)

Additional Information: full citation, referen

## 15 Computer-Aided Design, Manufacturing, Assembly and

F. C. Bergsten

June 1981 Proceedings of the eighteenth design automation

Full text available:  pdf(763.25 KB)

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This paper describes an integrated Computer-Aided Design increased productivity and quality. The term CADMAT which of all design automated and computer augmented processes design and test phase of electronics, Interactive Graphical (test vector generation are discussed. I ...

## 16 Poster papers: Discovery net: towards a grid of knowledge

V. ?ur?in, M. Ghanem, Y. Guo, M. Köhler, A. Rowe, J. Syed, I

July 2002 Proceedings of the eighth ACM SIGKDD international

Full text available:  pdf(656.11 KB)

Additional Information: fu

This paper provides a blueprint for constructing collaborative Grid-based computing environments. The need for such systems information and computing resources within the boundaries Virtual Organisations (VO) created to tackle specific project federation management layer and is composed ...

## 17 Content integration for e-business

Michael Stonebraker, Joseph M. Hellerstein

May 2001 ACM SIGMOD Record , Proceedings of the 2001 ACM Volume 30 Issue 2

Full text available:  pdf(75.79 KB)

Additional Information: full cit

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Edward E. Cobb

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Full text available:  pdf(649.17 KB)

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Businesses today are searching for information solutions th  
minimize risk, these solutions must build on existing invest  
problem, and be manageable. Object technology, with its p  
development, delivers these characteristics but, to date, its  
limited. One possible reason is the ...

Keywords: Objects, Workflow, transaction processing

## 19 The design of an inexpensive undergraduate data comi

Wayne D. Smith

March 1991 ACM SIGCSE Bulletin , Proceedings of the twenty-  
education, Volume 23 Issue 1

Full text available:  pdf(374.47 KB)

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## 20 A RTP to HTTP video gateway

Mathias Johanson

April 2001 Proceedings of the tenth international conference on

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Additional Information: full citation, refere

Keywords: HTTP, RTP, multicast, multimedia gateways, vic

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# **<sup>1</sup> Inter-active graphic methods for automating mechanical**

Jacob M. Miller

June 1980


Proceedings of the seventeenth design automatic

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Additional Information: full

Automating of mechanical engineering design, drafting, str  
EOSC with interactive graphic time share terminals. It was  
tasks and to stay competitive in the industry, these tasks h  
intensive manual design and drafting methods, and structu  
and vendor surveys were conducte ...

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June 1997 ACM SIGMOD Record , Proceedings of the 1997 ACI  
Volume 26 Issue 2

Full text available:  pdf(1.54 MB)

Additional Information: full citz

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Wisconsin, TPC-C, TPC-D). We argue that very often such :  
DBMSs in the &ldquo;real world.&rdquo; End users typicall  
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December 2000

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Dartmouth College is a small university dating from 1769, Youth of the Indian Tribes in this Land in reading, writing and others." (Wheelock 1769.) The undergraduate student body is made up of more than 5 to 1, and majors predominantly in In 1940 a milestone ...

## 7 Level II technical support in a distributed computing environment

Tim Leehane

September 1996 Proceedings of the 24th annual ACM SIGUCCS

Full text available:  pdf(5.73 MB)

Additional Information: full citation, references

## 8 Composable ad hoc location-based services for heterogeneous networks

Todd D. Hodes, Randy H. Katz

October 1999

Wireless Networks, Volume 5 Issue 5

Full text available:  pdf(403.18 KB)

Additional Information: full citation, references

## 9 MIL primitives for querying a fragmented world

Peter A. Boncz, Martin L. Kersten

October 1999 The VLDB Journal &mdash; The International Journal on Very Large Data Bases

Full text available:  pdf(261.36 KB)

Additional Information: full citation, references

In query-intensive database application areas, like decision support systems, data warehousing, and data mining, fragmentation have a significant performance advantage. In addition to such a fragmented data model, a flexible yet powerful query language has been successfully tackled in Monet, a modern extensible database system. The design choices made in the Monet interpreter ...

Keywords: Database systems, Main-memory techniques, Query processing

- 10 ObjectGlobe: Ubiquitous query processing on the Internet**  
R. Braumandl, M. Keidl, A. Kemper, D. Kossmann, A. Kreutz,  
August 2001 The VLDB Journal &mdash; The International Journal of Very Large Data Bases

Full text available:  pdf(251.44 KB)

[Additional Information](#)

We present the design of ObjectGlobe, a distributed and open query engine published on the Internet via Web servers which have, if available, the ObjectGlobe project is to establish an open marketplace for query processing distributed and used by any kind of Internet application. Finally, we discuss the design of the ObjectGlobe architecture.

Keywords: Cycle-, function- and data provider, Distributed Query optimization, Security

- 11 RUNCIBLE&mdash;algebraic translation on a limited class of expressions**  
Donald E. Knuth

November 1959 Communications of the ACM, Volume 2 Issue 11

Full text available:  pdf(430.08 KB) [Additional Information: full citation, reference](#)

- 12 The automatic generation of sparse primitives**

Aart J. C. Bik, Peter J. H. Brinkhaus, Peter M. W. Knijnenburg  
June 1998 ACM Transactions on Mathematical Software (TOMS)

Full text available:  pdf(391.88 KB)

[Additional Information: full citation, reference](#)

Primitives in mathematical software are usually written and compiled. This paper describes a "sparse compiler"; that is capable of automating the generation of sparse code. A completely different approach to the generation of sparse code is presented. For each particular primitive is supplied to the sparse compiler, after compilation, the sparse compiler generates the code for the primitive.

Keywords: compilers, data structure transformations, restructuring

### 13 Standardization in IT: Inter-organizational document ex

Luis Martín Díaz, Erik Wüstner, Peter Buxmann

March 2002

Proceedings of the 2002 ACM symposium on

Full text available:  pdf(470.62 KB)

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Information exchange processes are often characterized by order to achieve compatibility between information system between applications of different software vendors or wher software. In this paper we want to survey the conversion p participants often use different da ...

Keywords: Java, XML, conversion problem, information sys standardization, supply chain management

### 14 Legacy information systems and business process cha

Ashley D. Lloyd, Dick Dewar, Rob Pooley

December 1999

Communications of the AIS

Full text available:  pdf(572.94 KB)

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### 15 A preprocessor for structural analysis programs

Peter K. Ho

June 1976

The proceedings of the thirteenth design automa

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This preprocessor generates and updates input data on the and on gravity, seismic and other loadings.

### 16 A decade of reconfigurable computing: a visionary retrc

R. Hartenstein

March 2001

Proceedings of the conference on Design, automa

Full text available:  pdf(768.00 KB)

Additional Information: full citation, referen

## 17 Coarse grain reconfigurable architecture (embedded tu Reiner Hartenstein

January 2001      Proceedings of the 2001 conference on Asia 9

Full text available:  pdf(167.05 KB)

Additional Information: full cit

The paper gives a brief survey over a decade of R&D on co  
techniques and points out its significance to the emerging (

## 18 E-commerce: SweetDeal: representing agent contracts process descriptions

Benjamin N. Grosz, Terrence C. Poon

May 2003      Proceedings of the twelfth international confere

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SweetDeal is a rule-based approach to representation of b  
evaluate, negotiate, and execute contracts with substantia  
courteous logic programs knowledge representation in Rule  
Here, we newly extend the SweetDeal approach by also inc  
are represented in DAML+OIL (emerging standa ...

Keywords: DAML+OIL, OWL, RDF, XML, business process a  
commerce, electronic contracts, intelligent software agents  
programs, ontologies, process descriptions, process knowle  
services

## 19 What next?: A dozen information-technology research (

Jim Gray

January 2003      Journal of the ACM (JACM), Volume 50 Issue

Full text available:  pdf(1.18 MB) Additional Information: full citation, references, ci

## 20 The impact of object technology on commercial transac

Edward E. Cobb

August 1997 The VLDB Journal &mdash; The International Jou

Full text available:  pdf(649.17 KB)

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minimize risk, these solutions must build on existing invest  
problem, and be manageable. Object technology, with its p  
development, delivers these characteristics but, to date, its  
limited. One possible reason is the ...

Keywords: Objects, Workflow, transaction processing

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*Pelletier, C.; Goossenaerts, J.; Szirbik, N.;*  
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*Isaacson, M.J.; Daman, M.E.; Hollandsworth, R.P.;*  
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*Yao Yurong; He Houcun;*

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**3 Real-time plant/ERP integration**

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Systems, Man, and Cybernetics, 2000 IEEE International Conference on

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